



## Crop Weather Report

Issue: 07-10

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For the Week Ending:  
May 13, 2007

### Weather Summary

Montana received below normal precipitation for the week ending May 13. Harlem received the most moisture for the week at 1.34 inches. Albion had the high temperature of 90 degrees, and West Yellowstone had the low of 15 degrees. Topsoil moisture adequate and surplus is 91 percent, above last week's 90 percent and last year's 69 percent. Subsoil moisture adequate and surplus, at 75 percent, is better than last week's 71 percent and last year's 57 percent. The number of days suitable for fieldwork increased from 4.6 days the previous week to 5.7 days.

The weather outlook for May 21<sup>st</sup> through the 27<sup>th</sup> is for below normal temperatures and above normal precipitation east of the continental divide and for below normal temperatures and near normal precipitation west of the divide. Normal temperatures for this period in Montana are for highs ranging from the upper 50s to 70 degrees and for lows in the upper 20s to the mid 40s.

According to the NRCS on May 1, statewide mountain snowpack decreased during April to about 68 percent of average. Mountain precipitation was below average at 83 percent during April and 96 percent of average for the water year. Warm temperatures during April and the beginning of May contributed to above average snowmelt which resulted in decreased mountain snowpack. Streamflows are forecast to be between 62 and 74 percent of average for May through July compared to 78 to 92 percent of average last year.

Soil Moisture Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Topsoil Moisture</b>				
Very Short	0	1	6	13
Short	9	9	25	25
Adequate	74	77	65	56
Surplus	17	13	4	6
<b>Subsoil Moisture</b>				
Very Short	4	5	8	27
Short	21	24	35	33
Adequate	66	62	55	39
Surplus	9	9	2	1

### Livestock Report

Range and pasture feed condition good and excellent is 59 percent, below last week's 65 percent and last year's 63 percent. Ninety-three percent of pastureland is open for grazing, and only 33 percent of cattle and 31 percent of sheep are receiving supplemental feed. Forty percent of livestock has been moved to summer pastures.

Livestock Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Receiving Supplemental Feed</b>				
Cattle & Calves	33	47	35	n/a
Sheep & Lambs	31	47	32	n/a
<b>Livestock Grazing</b>				
Open	93	91	95	n/a
Difficult	3	3	3	n/a
Closed	4	6	2	n/a
<b>Moved to Summer Ranges</b>				
Cattle & Calves	40	29	40	n/a
Sheep & Lambs	40	29	34	n/a
<b>Livestock Birthing</b>				
Calving Complete	97	95	97	96
Lambing Complete	91	86	87	86
<b>Range and Pasture Feed Condition</b>				
Very Poor	0	0	2	12
Poor	7	8	5	20
Fair	34	27	30	34
Good	49	51	47	28
Excellent	10	14	16	6

Fieldwork Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Days Suitable for Fieldwork</b>				
Days	5.7	4.6	6.4	4.1
<b>Field Tillage Work in Progress</b>				
None	2	3	4	n/a
Just Started	8	17	12	n/a
Well Underway	90	80	84	n/a

### Field Crops Report

Ninety percent of fieldwork is well underway compared to 80 percent last week and 84 percent last year. Farmers are still progressing faster with planting this year than last year. Specialty crops such as dry peas are almost all planted. Forty-eight percent of barley is emerged, compared to 36 percent last year and the five-year average of 39 percent. Winter wheat condition is rated 75 percent good to excellent, the same as last year.

Crop Condition Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Winter Wheat-Spring Stages</b>				
Still Dormant	0	0	n/a	n/a
Greening	1	6	n/a	n/a
Greening and Growing	99	94	n/a	n/a
<b>Winter Wheat</b>				
Very Poor	1	1	1	9
Poor	3	4	6	16
Fair	21	20	18	28
Good	46	51	49	36
Excellent	29	24	26	11

Crop Progress Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Planted</b>				
Barley	85	70	83	75
Spring Wheat	84	63	78	73
Durum Wheat	85	38	43	46
Oats	81	66	61	58
Dry Peas	96	64	78	n/a
Lentils	89	69	64	n/a
Corn	65	47	35	41
Sugar beets	92	80	92	93
<b>Emerged</b>				
Barley	48	26	36	39
Spring Wheat	33	13	36	32
Durum Wheat	30	2	10	12
Oats	39	25	28	26
Dry Peas	35	11	23	n/a
Lentils	14	3	12	n/a
Corn	4	n/a	n/a	8
Sugar beets	38	22	50	50
<b>Boot Stage</b>				
Winter Wheat	13	5	6	5

Weather Information for the Week ending 05/13/2007

Station ID	Precipitation												
	Temperature			GDDs		This Week		April 1 to Date			October 1 to Date		
	Hi	Low	Avg	B50	DFN	Total	DFN	Total	DFN	%NRM	Total	DFN	%NRM
<b>NORTHWEST</b>													
Alberton	84	33	59	62	+48	0.03	-0.34	1.13	-0.48	70	11.74	+4.42	160
Anaconda	80	37	57	51	+51	0.14	-0.36	3.03	+0.78	135	9.15	+2.61	140
Clinton	80	36	58	61	+47	0.03	-0.34	2.21	+0.60	137	10.93	+3.61	149
Corvallis	82	40	60	68	+54	0.09	-0.26	1.84	+0.26	116	4.68	-2.63	64
Creston	81	40	58	56	+42	0.09	-0.41	2.56	+0.22	109	7.21	-3.38	68
Deer Lodge	81	32	55	38	+38	0.08	-0.30	2.07	+0.66	147	5.33	+1.05	125
Drummond	80	34	55	35	+25	0.13	-0.26	2.42	+0.67	138	6.16	-0.45	93
Hamilton	82	41	61	75	+61	0.08	-0.27	1.92	+0.34	122	5.90	-1.41	81
Kalispell	80	35	57	51	+37	0.00	-0.38	1.79	+0.01	101	7.69	-1.64	82
Missoula	83	43	61	78	+64	0.12	-0.25	1.61	+0.00	100	7.11	-0.21	97
Olney	79	29	53	25	+18	0.06	-0.37	0.82	-1.33	38	12.52	-1.98	86
Polson	78	44	60	74	+56	0.96	+0.48	3.75	+1.65	179	8.60	-0.11	99
St Ignatius	82	41	60	72	+51	0.22	-0.30	2.97	+0.69	130	8.32	-0.20	98
Seeley Lake	80	31	57	51	+45	0.05	-0.37	1.70	-0.32	84	12.24	-2.07	86
Sula	79	31	55	37	+32	0.14	-0.38	3.45	+1.18	152	8.83	+0.27	103
Superior	85	40	63	90	+66	0.00	-0.35	1.33	-0.46	74	11.14	+0.78	108
Swan Lake	80	32	55	37	+26	0.02	-0.50	3.15	+0.62	125	18.90	+0.31	102
Thompson Falls	82	35	57	51	+22	0.22	-0.20	2.28	+0.00	100	19.81	+3.72	123
West Glacier	79	37	59	62	+53	0.23	-0.32	2.88	+0.23	109	19.73	+1.24	107
<b>NORTH CENTRAL</b>													
Chester	83	37	58	59	+37	0.34	-0.01	2.56	+1.17	184	6.30	+2.50	166
Chinook	84	38	60	68	+35	0.78	+0.30	3.32	+1.36	169	7.11	+2.41	151
Choteau	80	35	58	56	+35	0.00	-0.41	2.38	+0.87	158	4.09	+0.61	118
Cut Bank	80	37	58	56	+42	0.00	-0.45	0.56	-1.03	35	1.04	-2.88	27
Ft Assinniboine	85	40	60	72	+39	0.39	-0.03	2.12	+0.37	121	5.63	+0.86	118
Fort Benton	85	39	61	76	+43	0.15	-0.38	2.50	+0.37	117	6.83	+0.58	109
Goldbutte	81	28	59	66	+48	0.03	-0.42	2.92	+1.19	169	7.04	+2.56	157
Harlem	83	32	59	63	+32	1.34	+0.94	3.95	+2.38	252	6.96	+2.78	167
Havre	85	39	60	74	+45	0.45	+0.10	2.76	+1.20	177	6.15	+1.60	135
Malta	82	37	63	94	+71	0.36	-0.10	2.29	+0.58	134	5.07	+0.73	117
Rudyard	83	31	58	55	+19	0.28	-0.31	3.03	+0.97	147	6.34	+0.90	117
Shelby	81	36	59	67	+49	0.14	-0.31	2.55	+0.89	154	5.95	+1.92	148
Turner	81	34	60	73	+50	0.40	-0.06	2.66	+0.95	156	4.49	+0.15	103
Valier	81	34	57	59	+41	0.00	-0.45	2.22	+0.56	134	4.16	+0.13	103
<b>NORTHEAST</b>													
Bredette	84	35	60	72	+42	0.30	-0.10	1.88	+0.39	126	4.91	+1.13	130
Culbertson	87	34	62	82	+50	0.00	-0.47	1.51	-0.49	76	4.82	+0.09	102
Glasgow	84	37	61	77	+45	0.03	-0.33	1.93	+0.62	147	4.04	+0.41	111
Glendive	86	40	65	106	+61	0.10	-0.32	2.24	+0.32	117	5.55	+0.65	113
Jordan	84	35	60	73	+36	0.27	-0.22	3.07	+1.05	152	5.38	+0.37	107
Nashua	84	35	63	89	+57	0.08	-0.28	3.16	+1.85	241	5.68	+2.05	156
Opheim	79	30	58	59	+37	0.02	-0.39	1.41	+0.20	117	3.40	+0.16	105
Plentywood	87	35	61	81	+54	0.00	-0.45	1.63	-0.01	99	3.97	-0.02	99
St Marie	81	41	62	83	+51	0.00	-0.36	2.38	+1.07	182	3.90	+0.27	107
Scobey	84	35	60	74	+44	0.01	-0.39	2.01	+0.52	135	4.33	+0.55	115
Sidney	87	37	62	85	+44	0.05	-0.37	2.25	+0.32	117	4.88	-0.19	96
Wolf Point	85	33	59	66	+29	0.30	-0.20	1.82	-0.51	78	3.47	-2.29	60
<b>CENTRAL</b>													
Cascade	79	31	55	39	+32	0.04	-0.56	2.43	+0.18	108	6.48	+0.48	108
Grass Range	80	35	60	70	+48	0.88	+0.15	2.98	+0.25	109	8.91	+2.00	129
Great Falls	80	42	60	75	+54	0.27	-0.27	3.12	+0.76	132	7.71	+0.48	107
Harlowton	81	32	56	42	+26	0.44	-0.07	2.24	+0.42	123	6.93	+1.72	133
Helena	82	43	62	84	+66	0.17	-0.20	1.42	-0.21	87	4.53	-0.54	89
Lewistown	78	34	57	53	+43	0.38	-0.33	2.19	-0.22	91	7.46	-0.32	96
Martinsdale	82	32	58	55	+44	0.14	-0.38	1.38	-0.44	76	5.05	-0.10	98
Neihart	79	32	56	45	+42	0.65	-0.15	3.28	+0.29	110	12.68	+3.20	134
Rogers Pass	82	40	59	62	+46	0.00	-0.49	3.20	+1.27	166	7.85	+2.63	150
Roundup	88	33	63	95	+61	0.21	-0.30	2.50	+0.58	130	6.95	+2.00	140
Ryegate	82	31	57	52	+45	0.30	-0.14	2.28	+0.55	132	6.60	+1.73	136
Stanford	79	36	58	60	+46	0.48	-0.19	2.32	-0.15	94	7.02	+0.32	105
Townsend	83	32	59	63	+42	0.36	+0.01	1.47	+0.11	108	4.44	+0.22	105
Valentine	82	33	58	59	+36	0.25	-0.41	1.88	-0.46	80	6.32	+0.62	111
Wht Sulphur Spr	81	31	56	45	+45	0.13	-0.37	1.22	-0.74	62	4.11	-3.45	54
<b>SOUTHWEST</b>													
Boulder	77	34	57	50	+41	0.51	+0.12	1.41	-0.08	95	4.61	+0.01	100
Bozeman	84	33	60	73	+59	0.22	-0.47	3.65	+0.56	118	14.13	+4.55	147
Butte	79	31	54	33	+31	0.12	-0.26	1.89	+0.30	119	5.84	+0.91	118
Dillon	82	36	57	53	+43	0.03	-0.34	2.02	+0.46	129	5.47	+1.61	142
Ennis	83	25	55	41	+27	0.12	-0.30	1.67	-0.24	87	7.12	+1.68	131
Lakeview	80	30	56	44	+44	0.00	-0.47	1.25	-1.15	52	8.11	-2.39	77
W Yellowstone	75	15	48	13	+13	0.00	-0.42	2.23	-0.07	97	9.17	-4.32	68
Wisdom	77	25	51	15	+15	0.00	-0.34	2.29	+0.85	159	8.13	+2.90	155
<b>SOUTH CENTRAL</b>													
Billings	83	41	62	84	+55	0.07	-0.49	3.06	+0.29	110	8.90	+0.66	108
Cooke City	81	31	56	47	+47	0.04	-0.52	2.10	-0.72	74	7.99	-6.65	55
Gardiner	80	30	55	41	+21	0.06	-0.29	0.52	-0.71	42	4.34	-0.34	93
Hardin	87	35	65	103	+74	0.20	-0.36	2.39	-0.46	84	7.77	-0.58	93
Huntley	87	35	60	71	+44	0.05	-0.48	2.74	+0.24	110	7.53	+0.85	113
Hysham	85	38	64	101	+62	0.17	-0.39	2.93	+0.59	125	8.12	+2.14	136
Joliet	82	32	57	56	+31	0.23	-0.53	2.82	-0.44	87	8.69	+0.17	102
Livingston	86	33	57	55	+38	0.21	-0.42	3.08	+0.54	121	9.15	+2.18	131
Nye	86	35	57	53	+36	0.09	-0.54	3.31	+0.77	130	8.53	+1.56	